

# SAFETY DATA SHEET

Issuing Date 19-Feb-2014

Revision Date 16-Feb-2015

Revision Number 1

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product Name Glow Viva!E Refill

Contains 2-Propenal, 2-methyl-3-phenyl-, D-Limonene, Eugenol, Benzaldehyde

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Fragrances

Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

#### Company

Fragrance Delivery Technologies, LTD  
P.O.Box 262800  
Dubai  
United Arab Emirates  
TEL: +9714 887 0577  
email: fdtinquiries@oxygenpowered.com

### For further information, please contact

E-mail Address mail@thewerco.com

### 1.4. Emergency telephone number

Emergency Telephone Number CHEMTREC: 1-800-424-9300 for US/ 703-527-3887 outside US

Europe	112
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## Section 2. Hazards identification

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Acute Oral Toxicity	Category 4
Acute Inhalation Toxicity - Vapors	Category 4
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Specific Target Organ Systemic Toxicity (Single Exposure)	Category 3
Chronic Aquatic Toxicity	Category 2

#### Physical Hazards

Flammable liquids	Category 3
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**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

<b>Symbol(s)</b>	Xn - Harmful N - Dangerous for the environment
<b>R-code(s)</b>	R10 - Xn; R22 - R43 - N; R51-53

For the full text of the R-phrases mentioned in this Section, see Section 16

**2.2. Label Elements****Signal Word****Warning****Hazard Statements**

H302 - Harmful if swallowed  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H411 - Toxic to aquatic life with long lasting effects  
May cause respiratory irritation. May cause drowsiness or dizziness  
H226 - Flammable liquid and vapor  
EUH210 - Safety data sheet available on request

**Precautionary Statements - EU (§28, 1272/2008)**

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P370 + P378 - In case of fire: Use carbon dioxide, alcohol-resistant foam, or water spray for extinction  
P312 - Call a POISON CENTER or doctor/ physician if you feel unwell  
P273 - Avoid release to the environment

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**Precautionary Statements**

P270 - Do not eat, drink or smoke when using this product  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell  
P330 - Rinse mouth  
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention  
P363 - Wash contaminated clothing before reuse  
P273 - Avoid release to the environment  
P391 - Collect spillage  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/Bond container and receiving equipment  
P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower  
P403 + P235 - Store in a well-ventilated place. Keep cool  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/ attention  
P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
P271 - Use only outdoors or in a well-ventilated area  
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing  
P312 - Call a POISON CENTER or doctor/ physician if you feel unwell  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other information**

### Section 3. Composition/information on ingredients

#### 3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Benzaldehyde	202-860-4	100-52-7	25-50	Xn; R22	Acute Tox. 4 (H302)	No data available
D-Limonene	Present	5989-27-5	1-10	R10 Xi; R38-43 N; R50-53	Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Benzaldehyde, 4-methyl-	203-246-9	104-87-0	1-10	Xn; R22-36	Eye Irrit. 2 (H319)	No data available
Acetophenone	202-708-7	98-86-2	1-10	Xn; R22 Xi; R36	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)	No data available
Ionone, .beta. (.beta.-Ionone)	238-969-9	14901-07-6	1-5	N; R51/53	Aquatic Chronic 4 (H413)	No data available
Allyl caproate	204-642-4	123-68-2	1-5	Xn; R21/22 N; R51/53	Aquatic Chronic 2 (H411)	No data available
Isoamyl butyrate	203-380-8	106-27-4	1-5	R52/53	Aquatic Chronic 3 (H412)	No data available
n-Hexyl acetate	205-572-7	142-92-7	1-5	R10; N R51/53	EFFA: EH A2; FL 3; SCI 3	No data available
p-Methylacetophenone	204-514-8	122-00-9	1-5	Xn; R22		No data available
Butanoic acid, 3-methyl-, ethyl ester	203-602-3	108-64-5	1-5	-		No data available
2-ethyl-3-hydroxy-4-pyrone	225-582-5	4940-11-8	1-5	Xn; R22	Acute Tox. 4 (H302)	No data available
2-Propenal, 2-methyl-3-phenyl- Vanillin	202-938-8 204-465-2	101-39-3 121-33-5	1-5 0.1-1.0	Xi; R43 R52-53 Xn; R22	Acute Tox. 4 (H302) Aquatic Chronic 3 (H412)	No data available
Eugenol	202-589-1	97-53-0	0.1-1.0	Xi; R36/38-43 Xn; R22 R52	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	No data available
2,6-Di-tert-butyl-p-cresol	204-881-4	128-37-0	0.1-1.0	Xn; R22 N; R50/53	Acute Tox. 4 H302 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	No data available
1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	260-709-8	57378-68-4	0.1-1.0	-	EFFA: ATO 4; EH A1; EH C1; SCI 2; SS 1	No data available
2-Buten-1-one, 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-	245-833-2	23696-85-7	0.1-1.0	-		No data available

**For the full text of the R-phrases mentioned in this Section, see Section 16**

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## Section 4. First aid measures

### 4.1. Description of first-aid measures

<b>General Advice</b>	If swallowed, get medical help or contact a Poison Control Center right away. Show this safety data sheet to the doctor in attendance.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately if symptoms occur.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Remove and wash contaminated clothing before re-use. If skin irritation or rash occurs: Get medical advice/attention.
<b>Ingestion</b>	Call a POISON CENTER or doctor/physician if exposed or you feel unwell. Rinse mouth.
<b>Inhalation</b>	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
<b>Protection of First-aiders</b>	Remove all sources of ignition. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### 4.2. Most important symptoms and effects, both acute and delayed

**Most Important Symptoms/Effects** Hives. Itching. Rashes. Irritation.

### 4.3. Indication of immediate medical attention and special treatment needed

**Notes to Physician** May cause sensitization of susceptible persons.

## Section 5. Fire-fighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media**

Use: Water spray. Carbon dioxide (CO<sub>2</sub>). Foam.

**Extinguishing media which must not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Special hazards arising from the substance or mixture

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Flammable. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters**

As in any fire, wear self-contained breathing apparatus and full protective gear.

## Section 6. Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use personal protective equipment. Avoid contact with skin, eyes and clothing.

### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Avoid release to the environment. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

### **6.3. Methods and materials for containment and cleaning up**

Dike to collect large liquid spills.

Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use personal protective equipment. Use clean non-sparking tools to collect absorbed material. Sweep up and shovel into suitable containers for disposal.

### **6.4. Reference to other sections**

See Section 12 for additional information.

## Section 7. Handling and storage

### **7.1. Precautions for Safe Handling**

#### **Handling**

Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.

#### **Hygiene Measures**

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

### **7.2. Conditions for safe storage, including any incompatibilities**

Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place.

### **7.3. Specific end use(s)**

#### **Exposure Scenario**

No information available.

#### **Other Guidelines**

No information available.

## Section 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure Limits

Chemical Name	EU	The United Kingdom	France	Spain	Germany
D-Limonene 5989-27-5			TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>		TWA: 5 ppm TWA: 28 mg/m <sup>3</sup> Ceiling / Peak: 20 ppm Ceiling / Peak: 112 mg/m <sup>3</sup> Skin TWA: 20 ppm TWA: 110 mg/m <sup>3</sup>
Acetophenone 98-86-2				VLA-ED: 10 ppm VLA-ED: 50 mg/m <sup>3</sup>	
2,6-Di-tert-butyl-p-cresol 128-37-0			VME: 10 mg/m <sup>3</sup>		MAK: 20 mg/m <sup>3</sup> Ceiling / Peak: 40 mg/m <sup>3</sup>
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Benzaldehyde 100-52-7 ( 25-50 )				TWA: 1 ppm TWA: 4.4 mg/m <sup>3</sup> STEL: 4 ppm STEL: 17.4 mg/m <sup>3</sup> Ceiling: 4 ppm Ceiling: 17.4 mg/m <sup>3</sup>	
D-Limonene 5989-27-5 ( 1-10 )				TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 50 ppm STEL: 280 mg/m <sup>3</sup>	
Acetophenone 98-86-2 ( 1-10 )		TWA: 10 ppm		TWA: 5 ppm TWA: 25 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 49 mg/m <sup>3</sup>
2,6-Di-tert-butyl-p-cresol 128-37-0 ( 0.1-1.0 )		TWA: 2 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> STEL: 20 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Benzaldehyde 100-52-7			NDSch: 40 mg/m <sup>3</sup> NDS: 10 mg/m <sup>3</sup>		
D-Limonene 5989-27-5		STEL: 40 ppm STEL: 220 mg/m <sup>3</sup> TWA: 20 ppm TWA: 110 mg/m <sup>3</sup>		TWA: 25 ppm TWA: 140 mg/m <sup>3</sup> STEL: 37.5 ppm STEL: 175 mg/m <sup>3</sup>	
Acetophenone 98-86-2			NDSch: 100 mg/m <sup>3</sup> NDS: 50 mg/m <sup>3</sup>		TWA: 10 ppm TWA: 49 mg/m <sup>3</sup>
2,6-Di-tert-butyl-p-cresol 128-37-0	MAK: 10 mg/m <sup>3</sup>	MAK: 10 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>

**Derived No Effect Level** No information available  
**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

#### Engineering Measures

Showers  
 Eyewash stations  
 Ventilation systems

#### Personal protective equipment

##### Eye Protection

Tightly fitting safety goggles.

##### Skin and Body Protection

Wear suitable protective clothing

##### Hand Protection

Protective gloves.

##### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection complying with EN 143.

#### Environmental Exposure Controls

Do not allow material to contaminate ground water system.

## Section 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical State	Liquid.	Appearance	Pale red to red
Odor	Cherry.		

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	53 °C / 127.4 °F	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
 Vapor Pressure	 No data available	 None known
Vapor Density	No data available	None known
Relative Density	No data available.	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Flammable.	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### 9.2. Other information

VOC Content (%)	No information available
Flammability Limits in Air	No information available.

## Section 10. Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat, flames and sparks.

### 10.5. Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases.

### 10.6. Hazardous decomposition products

Carbon oxides.



## Section 11. Toxicological information

### 11.1.

#### Acute Toxicity

##### Product Information

##### Inhalation

Harmful by inhalation. May cause irritation of respiratory tract.

##### Eye Contact

Causes serious eye irritation.

##### Skin Contact

May cause sensitization by skin contact.

##### Ingestion

Harmful if swallowed.

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Benzaldehyde	= 800 mg/kg ( Rat )	> 1250 mg/kg ( Rabbit )	
D-Limonene	5000 mg/kg ( Rat )	>5000 mg/kg ( Rabbit )	-
Benzaldehyde, 4-methyl-	= 1600 mg/kg ( Rat )	= 2500 mg/kg ( Rat )	
Acetophenone	= 815 mg/kg ( Rat )	= 1760 mg/kg ( Rabbit )	
Allyl caproate	= 218 mg/kg ( Rat )	= 300 mg/kg ( Rabbit )	
Ionone, .beta. (.beta.-lonone)	= 4590 mg/kg ( Rat )		
Isoamyl butyrate	> 5 g/kg ( Rat )	> 5 g/kg ( Rabbit )	
n-Hexyl acetate	= 41500 µL/kg ( Rat )	> 5 g/kg ( Rabbit )	
p-Methylacetophenone	= 1400 mg/kg ( Rat )		
2-ethyl-3-hydroxy-4-pyrone	= 1150 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	
2-Propenal, 2-methyl-3-phenyl-	= 2050 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	
Vanillin	= 1580 mg/kg ( Rat )	> 5010 mg/kg ( Rabbit )	
Eugenol	= 1930 mg/kg ( Rat )		
2,6-Di-tert-butyl-p-cresol	= 890 mg/kg ( Rat )	-	-

#### Sensitization

May cause sensitization by skin contact. May cause an allergic skin reaction.

#### Mutagenic Effects

No information available.

#### Carcinogenic Effects

Contains no ingredients above reportable quantities listed as a carcinogen.

#### Reproductive Toxicity

No information available.

#### Developmental Toxicity

No information available.

#### STOT - single exposure

No information available.

#### STOT - repeated exposure

No information available.

#### Aspiration Hazard

No information available.

## Section 12. Ecological information

### 12.1. Toxicity

#### Ecotoxicity Effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzaldehyde		LC50 96 h: 0.8-1.44 mg/L flow-through ( <i>Lepomis macrochirus</i> ) LC50 96 h: 10.6-11.8 mg/L flow-through ( <i>Oncorhynchus mykiss</i> ) LC50 96 h: 6.8-8.53 mg/L flow-through ( <i>Pimephales promelas</i> ) LC50 96 h: = 12.69 mg/L static ( <i>Oncorhynchus mykiss</i> ) LC50 96 h: = 7.5 mg/L static ( <i>Lepomis macrochirus</i> )	EC50 = 4.85 mg/L 30 min EC50 = 5.08 mg/L 15 min EC50 = 6.11 mg/L 5 min	EC50 24 h: = 50 mg/L ( <i>Daphnia magna</i> )
D-Limonene		LC50 96 h: 0.619 - 0.796 mg/L flow-through ( <i>Pimephales promelas</i> ) LC50 96 h: = 35 mg/L ( <i>Oncorhynchus mykiss</i> )		
Acetophenone		LC50 96 h: = 155 mg/L static ( <i>Pimephales promelas</i> ) LC50 96 h: = 162 mg/L flow-through ( <i>Pimephales promelas</i> )	EC50 = 15.5 mg/L 15 min	
Allyl caproate		LC50 96 h: = 30 mg/L ( <i>Carassius auratus</i> )		
n-Hexyl acetate		LC50 96 h: 3.7-4.4 mg/L flow-through ( <i>Pimephales promelas</i> )		
Vanillin		LC50 96 h: 53-61.3 mg/L flow-through ( <i>Pimephales promelas</i> ) LC50 96 h: = 57 mg/L semi-static ( <i>Pimephales promelas</i> ) LC50 96 h: = 88 mg/L static ( <i>Pimephales promelas</i> )	EC50 = 179 mg/L 210 min	EC50 24 h: = 180 mg/L ( <i>Daphnia magna</i> )
Eugenol		LC50 67.6 mg/l <i>Oncorhynchus kisutch</i> (Coho salmon) 96 h static		
2,6-Di-tert-butyl-p-cresol	EC50 72 h: = 6 mg/L ( <i>Pseudokirchneriella subcapitata</i> ) EC50 72 h: > 0.42 mg/L ( <i>Desmodesmus subspicatus</i> )	LC50 48 h: = 5 mg/L ( <i>Oryzias latipes</i> )	EC50 = 7.82 mg/L 5 min EC50 = 8.57 mg/L 15 min EC50 = 8.98 mg/L 30 min	

### 12.2. Persistence and degradability

No information available.

**12.3. Bioaccumulative potential.**

No information available.

Chemical Name	Log Pow
Benzaldehyde	1.48
Acetophenone	1.73
Vanillin	1.23
Eugenol	2.27
2,6-Di-tert-butyl-p-cresol	4.17

**12.4. Mobility in soil**

Adsorbs on soil.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

This product does not contain any known or suspected endocrine disruptors.

**Section 13. Disposal considerations****13.1. Waste treatment methods****Waste from Residues / Unused Products**

Dispose of in accordance with local regulations.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Other Information**

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

<b>Section 14. Transport information</b>
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**IMDG/IMO**

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III, (53°C c.c.)
14.5. Marine Pollutant	Product is a marine pollutant according to the criteria set by IMDG/IMO.
Environmental hazard	yes
14.6. Special Provisions	None.
EmS No.	F-E, S-D
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

**RID**

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	F1

**ADR**

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
ADR/RID-Labels	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III, (D/E)
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	F1
Tunnel Restriction Code	(D/E)

**ICAO**

14.1. UN-Number	UN1169
14.2. Proper shipping name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.

**IATA**

14.1. UN-Number	UN1169
14.2. Proper Shipping Name	Extracts, aromatic, liquid
14.3. Hazard Class	3
14.4. Packing Group	III
Description	UN1169, Extracts, aromatic, liquid, 3, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
ERG Code	3L

## Section 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Complies

#### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

### 15.2. Chemical Safety Assessment

No information available

**Section 16. Other information****Full text of R-phrases referred to under Sections 2 and 3**

R22 - Harmful if swallowed

R10 - Flammable

R43 - May cause sensitization by skin contact

R38 - Irritating to skin

R36 - Irritating to eyes

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R21/22 - Harmful in contact with skin and if swallowed

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

H411 - Toxic to aquatic life with long lasting effects

H413 - May cause long lasting harmful effects to aquatic life

H315 - Causes skin irritation

H226 - Flammable liquid and vapor

H317 - May cause an allergic skin reaction

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**Key literature references and sources for data**[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)**Issuing Date** 19-Feb-2014**Revision Date** 16-Feb-2015**Revision Note** New regional format.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**